

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

## OM protein - protein search, using sw model

Run on: June 9, 2003, 12:34:22 ; Search time 58.766 Seconds

(without alignments)  
131.654 Million cell updates/sec

Title: US-09-785-058-4  
Sequence: 1 RVRVRVRRVRR 12

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 4569144 seqs, 64473110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Pending Patents AA Main:\*

1: /cgn2\_6/ptodata/1/paa/PCTUS\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/paa/US06\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/paa/US07\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/paa/US08\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/paa/US081\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/paa/US082\_COMB.pep.\*  
7: /cgn2\_6/ptodata/1/paa/US083\_COMB.pep.\*  
8: /cgn2\_6/ptodata/1/paa/US084\_COMB.pep.\*  
9: /cgn2\_6/ptodata/1/paa/US085\_COMB.pep.\*  
10: /cgn2\_6/ptodata/1/paa/US086\_COMB.pep.\*  
11: /cgn2\_6/ptodata/1/paa/US087\_COMB.pep.\*  
12: /cgn2\_6/ptodata/1/paa/US088\_COMB.pep.\*  
13: /cgn2\_6/ptodata/1/paa/US089\_COMB.pep.\*  
14: /cgn2\_6/ptodata/1/paa/US090\_COMB.pep.\*  
15: /cgn2\_6/ptodata/1/paa/US091\_COMB.pep.\*  
16: /cgn2\_6/ptodata/1/paa/US092\_COMB.pep.\*  
17: /cgn2\_6/ptodata/1/paa/US093\_COMB.pep.\*  
18: /cgn2\_6/ptodata/1/paa/US094\_COMB.pep.\*  
19: /cgn2\_6/ptodata/1/paa/US095\_COMB.pep.\*  
20: /cgn2\_6/ptodata/1/paa/US096\_COMB.pep.\*  
21: /cgn2\_6/ptodata/1/paa/US097\_COMB.pep.\*  
22: /cgn2\_6/ptodata/1/paa/US098\_COMB.pep.\*  
23: /cgn2\_6/ptodata/1/paa/US099\_COMB.pep.\*  
24: /cgn2\_6/ptodata/1/paa/US100\_COMB.pep.\*  
25: /cgn2\_6/ptodata/1/paa/US101\_COMB.pep.\*  
26: /cgn2\_6/ptodata/1/paa/US102\_COMB.pep.\*  
27: /cgn2\_6/ptodata/1/paa/US60\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	54	100.0	12	1	PCT-US02-04432-4
2	54	100.0	12	1	PCT-US02-04812-4
3	54	100.0	12	21	US-09-785-058-4
4	54	100.0	12	21	US-09-785-058-4
5	54	100.0	12	24	US-10-079-075-4
6	54	100.0	24	1	PCT-US02-04432-5

7	54	100.0	24	1	PCT-US02-04812-5	Sequence 5, Appl1
8 <td>54<td>100.0</td><td>24</td><td>21</td><td>US-09-785-058-5</td><td>Sequence 5, Appl1</td></td>	54 <td>100.0</td> <td>24</td> <td>21</td> <td>US-09-785-058-5</td> <td>Sequence 5, Appl1</td>	100.0	24	21	US-09-785-058-5	Sequence 5, Appl1
9 <td>54<td>100.0</td><td>24</td><td>21</td><td>US-09-785-058-5</td><td>Sequence 5, Appl1</td></td>	54 <td>100.0</td> <td>24</td> <td>21</td> <td>US-09-785-058-5</td> <td>Sequence 5, Appl1</td>	100.0	24	21	US-09-785-058-5	Sequence 5, Appl1
10 <td>54<td>100.0</td><td>24</td><td>24</td><td>US-10-079-075-5</td><td>Sequence 5, Appl1</td></td>	54 <td>100.0</td> <td>24</td> <td>24</td> <td>US-10-079-075-5</td> <td>Sequence 5, Appl1</td>	100.0	24	24	US-10-079-075-5	Sequence 5, Appl1
11 <td>54<td>100.0</td><td>36</td><td>1</td><td>PCT-US02-04432-6</td><td>Sequence 6, Appl1</td></td>	54 <td>100.0</td> <td>36</td> <td>1</td> <td>PCT-US02-04432-6</td> <td>Sequence 6, Appl1</td>	100.0	36	1	PCT-US02-04432-6	Sequence 6, Appl1
12 <td>54<td>100.0</td><td>36</td><td>1</td><td>PCT-US02-04812-6</td><td>Sequence 6, Appl1</td></td>	54 <td>100.0</td> <td>36</td> <td>1</td> <td>PCT-US02-04812-6</td> <td>Sequence 6, Appl1</td>	100.0	36	1	PCT-US02-04812-6	Sequence 6, Appl1
13 <td>54<td>100.0</td><td>36</td><td>21</td><td>US-09-785-058-6</td><td>Sequence 6, Appl1</td></td>	54 <td>100.0</td> <td>36</td> <td>21</td> <td>US-09-785-058-6</td> <td>Sequence 6, Appl1</td>	100.0	36	21	US-09-785-058-6	Sequence 6, Appl1
14 <td>54<td>100.0</td><td>36</td><td>21</td><td>US-09-785-058-6</td><td>Sequence 6, Appl1</td></td>	54 <td>100.0</td> <td>36</td> <td>21</td> <td>US-09-785-058-6</td> <td>Sequence 6, Appl1</td>	100.0	36	21	US-09-785-058-6	Sequence 6, Appl1
15 <td>54<td>100.0</td><td>36</td><td>24</td><td>US-10-079-075-6</td><td>Sequence 6, Appl1</td></td>	54 <td>100.0</td> <td>36</td> <td>24</td> <td>US-10-079-075-6</td> <td>Sequence 6, Appl1</td>	100.0	36	24	US-10-079-075-6	Sequence 6, Appl1
16 <td>54<td>100.0</td><td>42</td><td>1</td><td>PCT-US02-04432-7</td><td>Sequence 7, Appl1</td></td>	54 <td>100.0</td> <td>42</td> <td>1</td> <td>PCT-US02-04432-7</td> <td>Sequence 7, Appl1</td>	100.0	42	1	PCT-US02-04432-7	Sequence 7, Appl1
17 <td>54<td>100.0</td><td>42</td><td>21</td><td>US-09-785-058-7</td><td>Sequence 7, Appl1</td></td>	54 <td>100.0</td> <td>42</td> <td>21</td> <td>US-09-785-058-7</td> <td>Sequence 7, Appl1</td>	100.0	42	21	US-09-785-058-7	Sequence 7, Appl1
18 <td>54<td>100.0</td><td>42</td><td>21</td><td>US-09-785-058-7</td><td>Sequence 7, Appl1</td></td>	54 <td>100.0</td> <td>42</td> <td>21</td> <td>US-09-785-058-7</td> <td>Sequence 7, Appl1</td>	100.0	42	21	US-09-785-058-7	Sequence 7, Appl1
19 <td>54<td>100.0</td><td>42</td><td>24</td><td>US-10-079-075-7</td><td>Sequence 7, Appl1</td></td>	54 <td>100.0</td> <td>42</td> <td>24</td> <td>US-10-079-075-7</td> <td>Sequence 7, Appl1</td>	100.0	42	24	US-10-079-075-7	Sequence 7, Appl1
20 <td>54<td>100.0</td><td>48</td><td>1</td><td>PCT-US02-04432-8</td><td>Sequence 8, Appl1</td></td>	54 <td>100.0</td> <td>48</td> <td>1</td> <td>PCT-US02-04432-8</td> <td>Sequence 8, Appl1</td>	100.0	48	1	PCT-US02-04432-8	Sequence 8, Appl1
21 <td>54<td>100.0</td><td>48</td><td>1</td><td>PCT-US02-04812-8</td><td>Sequence 8, Appl1</td></td>	54 <td>100.0</td> <td>48</td> <td>1</td> <td>PCT-US02-04812-8</td> <td>Sequence 8, Appl1</td>	100.0	48	1	PCT-US02-04812-8	Sequence 8, Appl1
22 <td>54<td>100.0</td><td>48</td><td>21</td><td>US-09-785-058-8</td><td>Sequence 8, Appl1</td></td>	54 <td>100.0</td> <td>48</td> <td>21</td> <td>US-09-785-058-8</td> <td>Sequence 8, Appl1</td>	100.0	48	21	US-09-785-058-8	Sequence 8, Appl1
23 <td>54<td>100.0</td><td>48</td><td>21</td><td>US-09-785-058-8</td><td>Sequence 8, Appl1</td></td>	54 <td>100.0</td> <td>48</td> <td>21</td> <td>US-09-785-058-8</td> <td>Sequence 8, Appl1</td>	100.0	48	21	US-09-785-058-8	Sequence 8, Appl1
24 <td>54<td>100.0</td><td>48</td><td>24</td><td>US-10-079-075-8</td><td>Sequence 8, Appl1</td></td>	54 <td>100.0</td> <td>48</td> <td>24</td> <td>US-10-079-075-8</td> <td>Sequence 8, Appl1</td>	100.0	48	24	US-10-079-075-8	Sequence 8, Appl1
25 <td>54<td>100.0</td><td>48</td><td>21</td><td>PCT-US02-04432-9</td><td>Sequence 9, Appl1</td></td>	54 <td>100.0</td> <td>48</td> <td>21</td> <td>PCT-US02-04432-9</td> <td>Sequence 9, Appl1</td>	100.0	48	21	PCT-US02-04432-9	Sequence 9, Appl1
26 <td>47<td>87.0</td><td>12</td><td>1</td><td>PCT-US02-04812-9</td><td>Sequence 9, Appl1</td></td>	47 <td>87.0</td> <td>12</td> <td>1</td> <td>PCT-US02-04812-9</td> <td>Sequence 9, Appl1</td>	87.0	12	1	PCT-US02-04812-9	Sequence 9, Appl1
27 <td>47<td>87.0</td><td>12</td><td>21</td><td>US-09-785-058-9</td><td>Sequence 9, Appl1</td></td>	47 <td>87.0</td> <td>12</td> <td>21</td> <td>US-09-785-058-9</td> <td>Sequence 9, Appl1</td>	87.0	12	21	US-09-785-058-9	Sequence 9, Appl1
28 <td>47<td>87.0</td><td>12</td><td>21</td><td>US-09-785-058-9</td><td>Sequence 9, Appl1</td></td>	47 <td>87.0</td> <td>12</td> <td>21</td> <td>US-09-785-058-9</td> <td>Sequence 9, Appl1</td>	87.0	12	21	US-09-785-058-9	Sequence 9, Appl1
29 <td>47<td>87.0</td><td>12</td><td>21</td><td>US-10-079-075-9</td><td>Sequence 9, Appl1</td></td>	47 <td>87.0</td> <td>12</td> <td>21</td> <td>US-10-079-075-9</td> <td>Sequence 9, Appl1</td>	87.0	12	21	US-10-079-075-9	Sequence 9, Appl1
30 <td>47<td>87.0</td><td>24</td><td>1</td><td>PCT-US02-04432-10</td><td>Sequence 10, Appl1</td></td>	47 <td>87.0</td> <td>24</td> <td>1</td> <td>PCT-US02-04432-10</td> <td>Sequence 10, Appl1</td>	87.0	24	1	PCT-US02-04432-10	Sequence 10, Appl1
31 <td>47<td>87.0</td><td>24</td><td>1</td><td>PCT-US02-04812-10</td><td>Sequence 10, Appl1</td></td>	47 <td>87.0</td> <td>24</td> <td>1</td> <td>PCT-US02-04812-10</td> <td>Sequence 10, Appl1</td>	87.0	24	1	PCT-US02-04812-10	Sequence 10, Appl1
32 <td>47<td>87.0</td><td>24</td><td>21</td><td>US-09-785-058-10</td><td>Sequence 10, Appl1</td></td>	47 <td>87.0</td> <td>24</td> <td>21</td> <td>US-09-785-058-10</td> <td>Sequence 10, Appl1</td>	87.0	24	21	US-09-785-058-10	Sequence 10, Appl1
33 <td>47<td>87.0</td><td>24</td><td>21</td><td>US-09-785-058-10</td><td>Sequence 10, Appl1</td></td>	47 <td>87.0</td> <td>24</td> <td>21</td> <td>US-09-785-058-10</td> <td>Sequence 10, Appl1</td>	87.0	24	21	US-09-785-058-10	Sequence 10, Appl1
34 <td>47<td>87.0</td><td>24</td><td>21</td><td>US-10-079-075-10</td><td>Sequence 10, Appl1</td></td>	47 <td>87.0</td> <td>24</td> <td>21</td> <td>US-10-079-075-10</td> <td>Sequence 10, Appl1</td>	87.0	24	21	US-10-079-075-10	Sequence 10, Appl1
35 <td>47<td>87.0</td><td>24</td><td>24</td><td>US-10-079-075-10</td><td>Sequence 10, Appl1</td></td>	47 <td>87.0</td> <td>24</td> <td>24</td> <td>US-10-079-075-10</td> <td>Sequence 10, Appl1</td>	87.0	24	24	US-10-079-075-10	Sequence 10, Appl1
36 <td>47<td>87.0</td><td>36</td><td>1</td><td>PCT-US02-04432-11</td><td>Sequence 11, Appl1</td></td>	47 <td>87.0</td> <td>36</td> <td>1</td> <td>PCT-US02-04432-11</td> <td>Sequence 11, Appl1</td>	87.0	36	1	PCT-US02-04432-11	Sequence 11, Appl1
37 <td>47<td>87.0</td><td>36</td><td>1</td><td>PCT-US02-04812-11</td><td>Sequence 11, Appl1</td></td>	47 <td>87.0</td> <td>36</td> <td>1</td> <td>PCT-US02-04812-11</td> <td>Sequence 11, Appl1</td>	87.0	36	1	PCT-US02-04812-11	Sequence 11, Appl1
38 <td>47<td>87.0</td><td>36</td><td>21</td><td>US-09-785-058-11</td><td>Sequence 11, Appl1</td></td>	47 <td>87.0</td> <td>36</td> <td>21</td> <td>US-09-785-058-11</td> <td>Sequence 11, Appl1</td>	87.0	36	21	US-09-785-058-11	Sequence 11, Appl1
39 <td>47<td>87.0</td><td>36</td><td>21</td><td>US-09-785-058-11</td><td>Sequence 11, Appl1</td></td>	47 <td>87.0</td> <td>36</td> <td>21</td> <td>US-09-785-058-11</td> <td>Sequence 11, Appl1</td>	87.0	36	21	US-09-785-058-11	Sequence 11, Appl1
40 <td>47<td>87.0</td><td>36</td><td>24</td><td>US-10-079-075-11</td><td>Sequence 11, Appl1</td></td>	47 <td>87.0</td> <td>36</td> <td>24</td> <td>US-10-079-075-11</td> <td>Sequence 11, Appl1</td>	87.0	36	24	US-10-079-075-11	Sequence 11, Appl1
41 <td>47<td>87.0</td><td>48</td><td>1</td><td>PCT-US02-04432-12</td><td>Sequence 12, Appl1</td></td>	47 <td>87.0</td> <td>48</td> <td>1</td> <td>PCT-US02-04432-12</td> <td>Sequence 12, Appl1</td>	87.0	48	1	PCT-US02-04432-12	Sequence 12, Appl1
42 <td>47<td>87.0</td><td>48</td><td>1</td><td>PCT-US02-04812-12</td><td>Sequence 12, Appl1</td></td>	47 <td>87.0</td> <td>48</td> <td>1</td> <td>PCT-US02-04812-12</td> <td>Sequence 12, Appl1</td>	87.0	48	1	PCT-US02-04812-12	Sequence 12, Appl1
43 <td>47<td>87.0</td><td>48</td><td>21</td><td>US-09-785-058-12</td><td>Sequence 12, Appl1</td></td>	47 <td>87.0</td> <td>48</td> <td>21</td> <td>US-09-785-058-12</td> <td>Sequence 12, Appl1</td>	87.0	48	21	US-09-785-058-12	Sequence 12, Appl1
44 <td>47<td>87.0</td><td>48</td><td>21</td><td>US-09-785-058-12</td><td>Sequence 12, Appl1</td></td>	47 <td>87.0</td> <td>48</td> <td>21</td> <td>US-09-785-058-12</td> <td>Sequence 12, Appl1</td>	87.0	48	21	US-09-785-058-12	Sequence 12, Appl1
45 <td>47<td>87.0</td><td>48</td><td>24</td><td>US-10-079-075-12</td><td>Sequence 12, Appl1</td></td>	47 <td>87.0</td> <td>48</td> <td>24</td> <td>US-10-079-075-12</td> <td>Sequence 12, Appl1</td>	87.0	48	24	US-10-079-075-12	Sequence 12, Appl1

## ALIGNMENTS

RESULT 1

PCT-US02-04432-4

Sequence 4, Application PC/TUS0204432

GENERAL INFORMATION:

APPLICANT: Ronald C. Montelaro

APPLICANT: Timothy A. Metzner

TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES

FILE REFERENCE: A34001-PCT / 072396.0223

CURRENT APPLICATION NUMBER: PCT/US02/04432

CURRENT FILING DATE: 2002-02-13

NUMBER OF SEQ ID NOS: 12

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 4

LENGTH: 12

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURES:

OTHER INFORMATION: Artificial peptide derived from HIV-1

PCT-US02-04432-4

Query Match	Score	DB 1	Length
Best Local Similarity	100.0%	Pred. No. 0.0084	
Matches	12	Consecutive	0
Mismatches	0	Indels	0
Gaps	0		

Db 1 RVRVRVRRVRR 12

```
RESULT 2
PCT-US02-04812-4
; Sequence 4, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04812-4
Query Match      100.0%; Score 54; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.0084;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRVRRVRRV 12
      |||||
Db      1 RVRVRRVRRV 12

RESULT 3
US-09-785-058-4
; Sequence 4, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A 34001 / 072396.0222
; CURRENT APPLICATION NUMBER: US/09/785,058
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-058-4
Query Match      100.0%; Score 54; DB 21; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.0084;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRVRRVRRV 12
      |||||
Db      1 RVRVRRVRRV 12

RESULT 4
US-09-785-059-4
; Sequence 4, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A3577 / 072396.0217
; CURRENT APPLICATION NUMBER: US/09/785,059
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
```

```
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-059-4
Query Match      100.0%; Score 54; DB 21; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.0084;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRVRRVRRV 12
      |||||
Db      1 RVRVRRVRRV 12

RESULT 5
US-10-079-075-4
; Sequence 4, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-10-079-075-4
Query Match      100.0%; Score 54; DB 24; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.0084;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRVRRVRRV 12
      |||||
Db      1 RVRVRRVRRV 12

RESULT 6
PCT-US02-04432-5
; Sequence 5, Application PC/TUS0204432
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396.0223
; CURRENT APPLICATION NUMBER: PCT/US02/04432
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04432-5
Query Match      100.0%; Score 54; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RVRVRRVRRV 12
      |||||
Db      13 RVRVRRVRRV 24

RESULT 7
```

PCT-US02-04812-5  
; Sequence 5, Application PC/TUS0204812  
; GENERAL INFORMATION:  
; APPLICANT: Ronald C. Montelaro  
; APPLICANT: Timothy A. Mieczner  
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES  
; FILE REFERENCE: A34001-PCT / 072396.0223  
; CURRENT APPLICATION NUMBER: PCT/US02/04812  
; CURRENT FILING DATE: 2002-02-19  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; LENGTH: 24  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Artificial peptide derived from HIV-1  
PCT-US02-04812-5

Query Match 100.0%; Score 54; DB 1; Length 24;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVRRVRR 12  
| | | | | | | | | |  
DB 13 RRVVRRVRR 24

RESULT 8  
US-09-785-058-5  
; Sequence 5, Application US/09785058  
; GENERAL INFORMATION:  
; APPLICANT: Ronald C. Montelaro  
; APPLICANT: Timothy A. Mieczner  
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES  
; FILE REFERENCE: A 34001 / 072396.0222  
; CURRENT APPLICATION NUMBER: US/09/785,058  
; CURRENT FILING DATE: 2001-02-16  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; LENGTH: 24  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Artificial peptide derived from HIV-1  
US-09-785-058-5

Query Match 100.0%; Score 54; DB 21; Length 24;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVRRVRR 12  
| | | | | | | | | |  
DB 13 RRVVRRVRR 24

RESULT 9  
US-09-785-059-5  
; Sequence 5, Application US/09785059  
; GENERAL INFORMATION:  
; APPLICANT: Ronald C. Montelaro  
; APPLICANT: Timothy A. Mieczner  
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES  
; FILE REFERENCE: A33577 / 072396.0217  
; CURRENT APPLICATION NUMBER: US/09/785,059  
; CURRENT FILING DATE: 2001-02-16  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; LENGTH: 24  
; TYPE: PRT  
; ORGANISM: Artificial Sequence

FEATURE:  
; OTHER INFORMATION: Artificial peptide derived from HIV-1  
US-09-785-059-5

Query Match 100.0%; Score 54; DB 21; Length 24;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVRRVRR 12  
| | | | | | | | | |  
DB 13 RRVVRRVRR 24

RESULT 10  
US-10-079-075-5  
; Sequence 5, Application US/10079075  
; GENERAL INFORMATION:  
; APPLICANT: Ronald C. Montelaro  
; APPLICANT: Timothy A. Mieczner  
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES  
; FILE REFERENCE: A34001-A / 072396.0222  
; CURRENT APPLICATION NUMBER: US/10/079,075  
; CURRENT FILING DATE: 2002-02-19  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 5  
; LENGTH: 24  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Artificial peptide derived from HIV-1  
US-10-079-075-5

Query Match 100.0%; Score 54; DB 24; Length 24;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVRRVRR 12  
| | | | | | | | | |  
DB 13 RRVVRRVRR 24

RESULT 11  
PCT-US02-04432-6  
; Sequence 6, Application PC/TUS0204432  
; GENERAL INFORMATION:  
; APPLICANT: Ronald C. Montelaro  
; APPLICANT: Timothy A. Mieczner  
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES  
; FILE REFERENCE: A34001-PCT / 072396.0223  
; CURRENT APPLICATION NUMBER: PCT/US02/04432  
; CURRENT FILING DATE: 2002-02-13  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 6  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Artificial peptide derived from HIV-1  
PCT-US02-04432-6

Query Match 100.0%; Score 54; DB 1; Length 36;  
Best Local Similarity 100.0%; Pred. No. 0.031;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRVVRRVRR 12  
| | | | | | | | | |  
DB 7 RRVVRRVRR 18

RESULT 12  
PCT-US02-04812-6

```

; Sequence 6, Application PC/TUS0204812
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mietzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-PCT / 072396,0223
; CURRENT APPLICATION NUMBER: PCT/US02/04812
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
PCT-US02-04812-6

Query Match      100.0%; Score 54; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.031;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY      1 RVRVRVRRVRR 12
        |||||
        7 RVRVRVRRVRR 18

DB

RESULT 13
US-09-785-058-6
; Sequence 6, Application US/09785058
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mietzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A 34001 / 072396,0222
; CURRENT APPLICATION NUMBER: US/09/785,058
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-058-6

Query Match      100.0%; Score 54; DB 21; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.031;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY      1 RVRVRVRRVRR 12
        |||||
        7 RVRVRVRRVRR 18

DB

RESULT 14
US-09-785-059-6
; Sequence 6, Application US/09785059
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Mietzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A33577 / 072396,0217
; CURRENT APPLICATION NUMBER: US/09/785,059
; CURRENT FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:

```

```

; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-09-785-059-6

Query Match          100.0%; Score 54; DB 21; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.031;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RVRVRVRRVRR 12
        |||||
Db       7 RVRVRVRRVRR 18

RESULT 15
US-10-079-075-6
; Sequence 6, Application US/10079075
; GENERAL INFORMATION:
; APPLICANT: Ronald C. Montelaro
; APPLICANT: Timothy A. Metzner
; TITLE OF INVENTION: VIRUS DERIVED ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: A34001-A / 072396.0222
; CURRENT APPLICATION NUMBER: US/10/079,075
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial peptide derived from HIV-1
US-10-079-075-6

Query Match          100.0%; Score 54; DB 24; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.031;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 RVRVRVRRVRR 12
        |||||
Db       7 RVRVRVRRVRR 18

```

Search completed: June 9, 2003, 13:07:20  
Job time : 59.766 secs